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ABSTRACT:

PURPOSE: To attain highly functional, high speed multi-window display by dividing processing into control command processing and display processing and executing respective processing by two CPUs.

CONSTITUTION: Processing for executing a control command necessary for a controlled target and processing for displaying data on a display device 8 are individually executed by the two CPUs 2, 22. Namely, the processing of the CPU 2 is controlled by a real time operating system and the processing of the CPU 22 is controlled by a time sharing operating system. In the display processing, the display screen of the device 8 is divided into plural areas, respective display areas are allowed to respectively correspond to plural display programs, the display programs are simultaneously executed in

parallel

and the processed results of respective display programs are simultaneously

displayed. In addition, data are transmitted/received between the CPUs 2, 22

through a mutually communicatable communication part 24.

Consequently, high

speed and highly functional multi-window display can be attained while holding

a processing speed other than a display speed at a current value or more.

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